28

42

48

### SEQUENCE LISTING

## <110> Wolfra Apple ence A Letterio, John J

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tg: Tr]	g ct p Le	g c u I	ta Leu	gtg Val 20	g cto Leo	g ac	g cc r Pr	t gg o Gl	c cg y Ar 25	g Pi	cg o	gcc Ala	gco Ala	c gg a Gl	a ct y Le 30	eu :	tcc Ser	acc Thr	96
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	50	, -	~ 1	0111	110	. пес	55	c aad	s rei	u Ar	rg L	∍eu	Ala 60	Sei	r Pr	0 E	ro	Ser	192
65	-		- [-		110	70	, 617	c cco	Let	ı Pr	7 T	11u 5	Ala	. Val	Le	u A	la	Leu 80	240
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gat Asp		1	1	80	- y -	Deu	361	ASII	185	ьeu	. ье	u A	Mla	Pro	Ser 190	As	p S	Ser	576
ccg Pro		195	5	ou c	,	LIIC	ASP	200	Inr	GTĀ	Va.	ΙV	al i	Arg 205	Gln	Tr	рL	eu	624
	21Ó	2	,		11U .	1	215	стХ	rne	Arg	Lei	u S 2	er <i>1</i> 20	Ala	His	Se:	r S	er	672
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gag cag ctg tcc Glu Gln Leu Ser 385	aac atg atc Asn Met Ile 390	gtg cgt t Val Arg S	sec tgc aag Ser Cys Lys 395	g tgc agc s Cys Ser	tga	1197
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Phe Leu Leu Met Ala Thr Pro Leu Glu Arg Ala Gln His Leu His 260 265 270	
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Asp Thr Asn Tyr Cys Phe Ser Ser Thr Glu Lys Asn Cys Cys Val Arg 290 295 300	
Gln Leu Tyr Ile Asp Phe Arg Lys Asp Leu Gly Trp Lys Trp Ile His 305 310 315 320	
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- Ala Asn Phe Cys Leu Gly Pro Cys Pro Tyr Ile Trp Ser Leu Asp Thr 50 55 60
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					ccc Pro 70											2	40
					gac Asp											2	88
					gac Asp											3	336
		_	_		aac Asn				_			_				3	884
					ctg Leu											4	132
					ctc Leu 150											4	180
					cag Gln												528
gat	tcc	tgg	cgc	tac	ctc	agc	aac	cgg	ctg	ctg	gcc	ccc	agt	gac	tca	Ē	76

His Ser Leu Tyr Met Leu Phe Asn Thr Ser Glu Leu Arg Glu Ala Val
130

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Pro Glu Pro Val Leu Leu Ser Arg Ala Glu Leu Arg Leu Leu Arg Leu
145

aag tta aaa gtg gag cac cac gtg gag cta tac cag aaa tac agc aat
Lys Leu Lys Val Glu Gln His Val Glu Leu Tyr Gln Lys Tyr Ser Asn
165

gat tcc tgg cgc tac ctc agc aac cgg ctg ctg ctg gcc ccc agt gac tca
Asp Ser Trp Arg Tyr Leu Ser Asn Arg Leu Leu Ala Pro Ser Asp Ser
180

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200

ccg aga gag aga gag gct ata aga ggt ttt cgc ctc agt gcc cac tct tcc
672

Thr	Arg 210	Arg	Glu	Ala	Ile	Glu 215	Gly	Phe	Arg	Leu	Ser 220	Ala	His	Ser	Ser	
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		cgc Arg														768
		ctc Leu														816
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		tac Tyr														912
_		tac Tyr		_			_	-	_			-				960
		aag Lys														1008
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- Ile Arg Gly Gln Ile Leu Ser Lys Leu Arg Leu Ala Ser Pro Pro Ser
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- Gln Gly Asp Val Pro Pro Gly Pro Leu Pro Glu Ala Val Leu Ala Leu 65 70 75 80
- Tyr Asn Ser Thr Arg Asp Arg Val Ala Gly Glu Ser Val Glu Pro Glu 85 90 95
- Pro Glu Pro Glu Ala Asp Tyr Tyr Ala Lys Glu Val Thr Arg Val Leu 100 105 110
- Met Val Glu Ser Gly Asn Gln Ile Tyr Asp Lys Phe Lys Gly Thr Pro 115 120 125
- His Ser Leu Tyr Met Leu Phe Asn Thr Ser Glu Leu Arg Glu Ala Val 130 135 140
- Pro Glu Pro Val Leu Leu Ser Arg Ala Glu Leu Arg Leu Leu Arg Leu 145 150 155 160
- Lys Leu Lys Val Glu Gln His Val Glu Leu Tyr Gln Lys Tyr Ser Asn 165 170 175
- Asp Ser Trp Arg Tyr Leu Ser Asn Arg Leu Leu Ala Pro Ser Asp Ser 180 185 190
- Pro Glu Trp Leu Ser Phe Asp Val Thr Gly Val Val Arg Gln Trp Leu 195 200 205
- Thr Arg Arg Glu Ala Ile Glu Gly Phe Arg Leu Ser Ala His Ser Ser 210 215 220
- Ser Asp Ser Lys Asp Asn Thr Leu His Val Glu Ile Asn Gly Phe Asn 225 230 235 240



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Phe Leu Leu Met Ala Thr Pro Leu Glu Arg Ala Gln His Leu His
260 265 270

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Thr Asp Tyr Lys Asp Asp Asp Asp Lys Glu Lys Asn Cys Cys Val Arg 290 295 300

Gln Leu Tyr Ile Asp Phe Arg Lys Asp Leu Gly Trp Lys Trp Ile His 305 310 315 320

Glu Pro Lys Gly Tyr His Ala Asn Phe Cys Leu Gly Pro Cys Pro Tyr 325 330 335

Ile Trp Ser Leu Asp Thr Gln Tyr Ser Lys Val Leu Ala Leu Tyr Asn 340 345 350

Gln His Asn Pro Gly Ala Ser Ala Ala Pro Cys Cys Val Pro Gln Ala 355 360 365

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Arg Lys Asp Leu Gly Trp Lys Trp Ile His Glu Pro Lys Gly Tyr His 35 40 45

Ala Asn Phe Cys Leu Gly Pro Cys Pro Tyr Ile Trp Ser Leu Asp Thr 50 55 60

Gln Tyr Ser Lys Val Leu Ala Leu Tyr Asn Gln His Asn Pro Gly Ala 65 70 75 80

Ser Ala Ala Pro Cys Cys Val Pro Gln Ala Leu Glu Pro Leu Pro Ile 85 90 95

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                                                                       180
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                                                     Met Pro Pro
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Ser Gly Leu Arg Leu Leu Pro Leu Leu Pro Leu Pro Trp Leu Leu
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Val Arg			e Arg Lys	gac ctg ggt Asp Leu Gly 320						
				ttc tgt ctg Phe Cys Leu 335						
				agc aag gtc Ser Lys Val 350	Leu Ala L					
				tca ccg tgc Ser Pro Cys						
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Lys Val	, , , ,		t Ile Val	cgc tcc tgc Arg Ser Cys 400		-				
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Ile Arg Gly Gln Ile Leu Ser Lys Leu Arg Leu Ala Ser Pro Pro Ser
50 55 60

Gln Gly Glu Val Pro Pro Gly Pro Leu Pro Glu Ala Val Leu Ala Leu 65 70 75 80

Tyr Asn Ser Thr Arg Asp Arg Val Ala Gly Glu Ser Ala Asp Pro Glu 85 90 95

Pro Glu Pro Glu Ala Asp Tyr Tyr Ala Lys Glu Val Thr Arg Val Leu 100 105 110

Met Val Asp Arg Asn Asn Ala Ile Tyr Glu Lys Thr Lys Asp Ile Ser 115 120 125

His Ser Ile Tyr Met Phe Phe Asn Thr Ser Asp Ile Arg Glu Ala Val 130 135 140

Pro Glu Pro Pro Leu Leu Ser Arg Ala Glu Leu Arg Leu Gln Arg Leu 145 150 155 160

Lys Ser Ser Val Glu Gln His Val Glu Leu Tyr Gln Lys Tyr Ser Asn 165 170 175

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Pro Glu Trp Leu Ser Phe Asp Val Thr Gly Val Val Arg Gln Trp Leu 195 200 205

Asn Gln Gly Asp Gly Ile Gln Gly Phe Arg Phe Ser Ala His Cys Ser 210 215 220



225 230 Pro Lys Arg Arg Gly Asp Leu Gly Thr Ile His Asp Met Asn Arg Pro 250 245 Phe Leu Leu Met Ala Thr Pro Leu Glu Arg Ala Gln His Leu His 265 260 Ser Ser Arg His Arg Arg Ala Leu Asp Thr Asn Asp Tyr Lys Asp Asp 280 285 275 Asp Asp Lys Ala Leu Asp Thr Asn Tyr Cys Phe Ser Ser Thr Glu Lys 290 295 Asn Cys Cys Val Arg Gln Leu Tyr Ile Asp Phe Arg Lys Asp Leu Gly 315 Trp Lys Trp Ile His Glu Pro Lys Gly Tyr His Ala Asn Phe Cys Leu 330 Gly Pro Cys Pro Tyr Ile Trp Ser Leu Asp Thr Gln Tyr Ser Lys Val 345 Leu Ala Leu Tyr Asn Gln His Asn Pro Gly Ala Ser Ala Ser Pro Cys Cys Val Pro Gln Ala Leu Glu Pro Leu Pro Ile Val Tyr Tyr Val Gly 375 Arg Lys Pro Lys Val Glu Gln Leu Ser Asn Met Ile Val Arg Ser Cys Lys Cys Ser <210> 18 <211> 73 <212> DNA <213> Artificial Sequence <220> <223> Primer <400> 18 gccctggata ccaacgacta caaggatgac gacgacaagg ccctggatac caactactgc ttcagctcca cgg

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tac g Tyr A																1268
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ctg g Leu G 340																1412
gtc c Val L																1460
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- Cys Lys Thr Ile Asp Met Glu Leu Val Lys Arg Lys Arg Ile Glu Ala 35
- Ile Arg Gly Gln Ile Leu Ser Lys Leu Arg Leu Ala Ser Pro Pro Ser 50
- Gln Gly Glu Val Pro Pro Gly Pro Leu Pro Glu Ala Val Leu Ala Leu
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- Pro Glu Pro Glu Ala Asp Tyr Tyr Ala Lys Glu Val Thr Arg Val Leu 100 105
- Met Val Asp Arg Asn Asn Ala Ile Tyr Glu Lys Thr Lys Asp Ile Ser 115
- His Ser Ile Tyr Met Phe Phe Asn Thr Ser Asp Ile Arg Glu Ala Val 135 130
- Pro Glu Pro Pro Leu Leu Ser Arg Ala Glu Leu Arg Leu Gln Arg Leu

Lys Ser Ser Val Glu Gln His Val Glu Leu Tyr Gln Lys Tyr Ser Asn 

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Pro Glu Trp Leu Ser Phe Asp Val Thr Gly Val Val Arg Gln Trp Leu 

Asn Gln Gly Asp Gly Ile Gln Gly Phe Arg Phe Ser Ala His Cys Ser 

Cys Asp Ser Lys Asp Asn Lys Leu His Val Glu Ile Asn Gly Ile Ser 

Pro Lys Arg Arg Gly Asp Leu Gly Thr Ile His Asp Met Asn Arg Pro 

Phe Leu Leu Met Ala Thr Pro Leu Glu Arg Ala Gln His Leu His 

Ser Ser Arg His Arg Arg Ala Leu Asp Thr Asn Ser Tyr Pro Tyr Asp 

Val Pro Asp Tyr Ala Ser Leu Ala Leu Asp Thr Asn Tyr Cys Phe Ser

Ser Thr Glu Lys Asn Cys Cys Val Arg Gln Leu Tyr Ile Asp Phe Arg 

Lys Asp Leu Gly Trp Lys Trp Ile His Glu Pro Lys Gly Tyr His Ala 

Asn Phe Cys Leu Gly Pro Cys Pro Tyr Ile Trp Ser Leu Asp Thr Gln 

Tyr Ser Lys Val Leu Ala Leu Tyr Asn Gln His Asn Pro Gly Ala Ser 

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_								agt Ser		 _		_	_		240
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								aaa Lys 105							336
		_		_		_		act Thr		_				_	384
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	_	-				_		cgc Arg							480
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			Gly					ttc Phe							624
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cac tgc cc His Cys Pr 225												720
aat aaa ag Asn Lys Se		u Leu (										768
tct aca ta Ser Thr Ty							-					816
aaa acc ag Lys Thr Se 27	r Gly Ly	-										864
tac aga ct Tyr Arg Le 290		r Gln	-	_			_	_	_	-	_	912
gat gct gc Asp Ala Al 305	_	_	-	_	_	_	_			_	_	960
tac tgc tt Tyr Cys Ph	-	n Val			_	_		-				1008
att gat tt Ile Asp Ph												1056
ggg tac aa Gly Tyr As 35	n Āla As			Gly	-	_					_	1104
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Met	Arg	Lys 35	Arg	Ile	Glu	Ala	Ile 40	Arg	Gly	Gln	Ile	Leu 45	Ser	Lys	Leu
Lys	Leu 50	Thr	Ser	Pro	Pro	Glu 55	Asp	Tyr	Pro	Glu	Pro 60	Asp	Glu	Val	Pro
Pro 65	Glu	Val	Ile	Ser	Ile 70	Tyr	Asn	Ser	Thr	Arg 75	Asp	Leu	Leu	Gln	Glu 80
Lys	Ala	Ser	Arg	Arg 85	Ala	Ala	Ala	Cys	Glu 90	Arg	Glu	Arg	Ser	Glu 95	Gln
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Ile	Val 130	Arg	Phe	Asp	Val	Ser 135	Thr	Met	Glu	Lys	Asn 140	Ala	Ser	Asn	Leu
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Leu Thr Ser Pro Thr Gln Arg Tyr Ile Asp Ser Lys Val Val Lys Thr 180 185 190

Arg Ala Glu Gly Glu Trp Leu Ser Phe Asp Val Thr Asp Ala Val Gln
195 200 205

Glu Trp Leu His His Lys Asp Arg Asn Leu Gly Phe Lys Ile Ser Leu 210 215 220

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Asn Lys Ser Glu Glu Leu Glu Ala Arg Phe Ala Gly Ile Asp Gly Thr 245 250 255

Ser Thr Tyr Ala Ser Gly Asp Gln Lys Thr Ile Lys Ser Thr Arg Lys 260 265 270

Lys Thr Ser Gly Lys Thr Pro His Leu Leu Met Leu Leu Pro Ser 275 280 285

Tyr Arg Leu Glu Ser Gln Gln Ser Ser Arg Arg Lys Lys Arg Ala Leu 290 295 300

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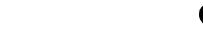
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Pro Glu Ala Ser Ala Ser Pro Cys Cys Val Ser Gln Asp Leu Glu Pro 385 390 395 400

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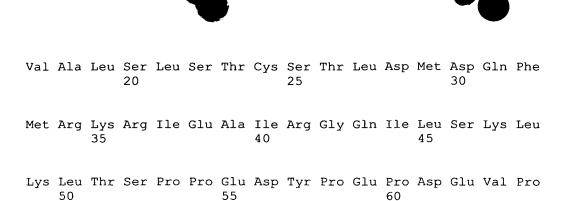
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aag ct Lys Le															19	3
gtc co Val Pr															24	1



65	70	75

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								gtt Val									337
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	_						_	cgc Arg			_	-	_	_			577
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								gat Asp									817
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_	_	-	Ãla	-	_			tac Tyr	_			_		_			961

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Glu Tyr Tyr Ala Lys Glu Val Tyr Lys Ile Asp Met Pro Ser His Leu 100 105 110

Pro Ser Glu Asn Ala Ile Pro Pro Thr Phe Tyr Arg Pro Tyr Phe Arg 115 120 125

Ile Val Arg Phe Asp Val Ser Thr Met Glu Lys Asn Ala Ser Asn Leu 130 135 140

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Val Ala Glu Gln Arg Ile Glu Leu Tyr Gln Ile Leu Lys Ser Lys Asp 165 170 175

Leu Thr Ser Pro Thr Gln Arg Tyr Ile Asp Ser Lys Val Val Lys Thr 180 185 190

Arg Ala Glu Gly Glu Trp Leu Ser Phe Asp Val Thr Asp Ala Val Gln 195 200 205

Glu Trp Leu His His Lys Asp Arg Asn Leu Gly Phe Lys Ile Ser Leu 210 215 220

His Cys Pro Cys Cys Thr Phe Val Pro Ser Asn Asn Tyr Ile Ile Pro 225 230 235 240

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Lys Thr Ser Gly Lys Thr Pro His Leu Leu Leu Met Leu Leu Pro Ser 275 280 285

Tyr Arg Leu Glu Ser Gln Gln Ser Ser Arg Arg Lys Lys Arg Ala Leu 290 295 300

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Leu Asp Ala Ala Tyr Cys Phe Arg Asn Val Gln Asp Asn Cys Cys Leu 325 330 335

Arg Pro Leu Tyr Ile Asp Phe Lys Arg Asp Leu Gly Trp Lys Trp Ile 340 345 350

His Glu Pro Lys Gly Tyr Asn Ala Asn Phe Cys Ala Gly Ala Cys Pro 355 360 365

Tyr Leu Trp Ser Ser Asp Thr Gln His Thr Lys Val Leu Ser Leu Tyr 370 375 380

Asn Thr Ile Asn Pro Glu Ala Ser Ala Ser Pro Cys Cys Val Ser Gln 385 390 395 400

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35 40 45

Leu Arg Leu Thr Ser Pro Pro Glu Pro Ser Val Met Thr His Val Pro 50 55 60

Tyr Gln Val Leu Ala Leu Tyr Asn Ser Thr Arg Glu Leu Leu Glu Glu 65 70 75 80

Met His Gly Glu Arg Glu Glu Gly Cys Thr Gln Glu Thr Ser Glu Ser . 85 90 95

Glu Tyr Tyr Ala Lys Glu Ile His Lys Phe Asp Met Ile Gln Gly Leu 100 105 110

Ala Glu His Asn Glu Leu Ala Val Cys Pro Lys Gly Ile Thr Ser Lys 115 120 125



Val Phe Arg Phe Asn Val Ser Ser Val Glu Lys Asn Gly Thr Asn Leu 130 135 140

Phe Arg Ala Glu Phe Arg Val Leu Arg Val Pro Asn Pro Ser Ser Lys 145 150 155 160

Arg Thr Glu Gln Arg Ile Glu Leu Phe Gln Ile Leu Arg Pro Asp Glu 165 170 175

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Cys Pro Cys His Thr Phe Gln Pro Asn Gly Asp Ile Leu Glu Asn Val 225 230 235 240

His Glu Val Met Glu Ile Lys Phe Lys Gly Val Asp Asn Glu Asp Asp 245 250 255

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Pro Gly Gln Gly Ser Gln Arg Lys Lys Arg Ala Leu Asp Thr Asn Asp 290 295 300

Tyr Lys Asp Asp Asp Lys Ala Leu Asp Thr Asn Tyr Cys Phe Arg 305 310 315 320

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His Gly Arg Gly Asp Leu Gly Arg Leu Lys Lys Gln Lys Asp His His 260 265 270

Asn Pro His Leu Ile Leu Met Met Ile Pro Pro His Arg Leu Asp Ser 275 280 285

Pro Gly Gln Gly Ser Gln Arg Lys Lys Arg Ala Leu Asp Thr Asn Ser 290 295 300

Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Ser Leu Ala Leu Asp Thr Asn 305 310 315 320

Tyr Cys Phe Arg Asn Leu Glu Glu Asn Cys Cys Val Arg Pro Leu Tyr 325 330 335

Ile Asp Phe Arg Gln Asp Leu Gly Trp Lys Trp Val His Glu Pro Lys 340 345 350

Gly Tyr Tyr Ala Asn Phe Cys Ser Gly Pro Cys Pro Tyr Leu Arg Ser 355 360 365

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Lys Leu Lys Val Glu Gln His Val Glu Leu Tyr Gln Lys Tyr Ser Asn 165 170 175

Asp Ser Trp Arg Tyr Leu Ser Asn Arg Leu Leu Ala Pro Ser Asp Ser 180 185 190

Pro Glu Trp Leu Ser Phe Asp Val Thr Gly Val Val Arg Gln Trp Leu 195 200 205

Thr Arg Arg Glu Ala Ile Glu Gly Phe Arg Leu Ser Ala His Ser Ser 210 215 220

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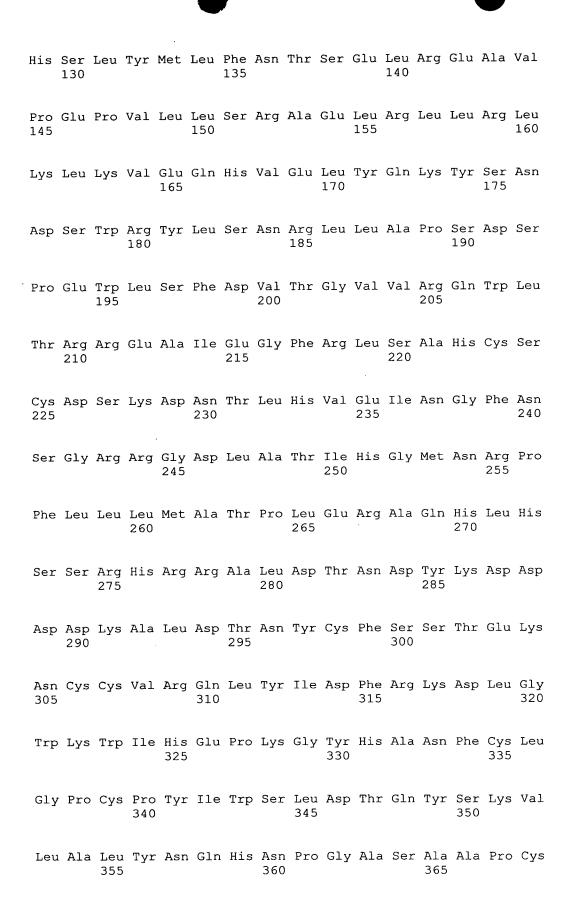
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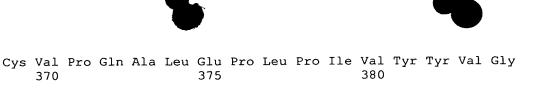
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Phe Leu Leu Met Ala Thr Pro Leu Glu Arg Ala Gln His Leu His 260 265 270

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Asn Phe Cys Leu Gly Pro Cys Pro Tyr Ile Trp Ser Leu Asp Thr Gln 340 345 350

Tyr Ser Lys Val Leu Ala Leu Tyr Asn Gln His Asn Pro Gly Ala Ser 355 360 365

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ccg c Pro L 1	tg ctg eu Leu 5	tgg Trp	ctg Leu	cta Leu	gtg Val 20	ctg Leu	acg Thr	cct Pro	ggc Gly	cgg Arg 25	ccg Pro	gcc Ala	gcc Ala	gga Gly	97
ctg t Leu S 30	cc acc er Thr	tgc Cys	aag Lys	acc Thr 35	atc Ile	gac Asp	atg Met	gag Glu	ctg Leu 40	gtg Val	aag Lys	cgg Arg	aag Lys	cgc Arg 45	145
atc g Ile G	ag gcc lu Ala	att Ile	cgc Arg 50	ggc Gly	cag Gln	att Ile	ctg Leu	tcc Ser 55	aag Lys	ctt Leu	cgg Arg	ctt Leu	gcc Ala 60	agc Ser	193
	cg agc ro Ser														241
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gaa c	cg gag	ccc	gag	сса	gag	gcg	gac	tac	tac	gcc	aag	gag	gtc	acc	337



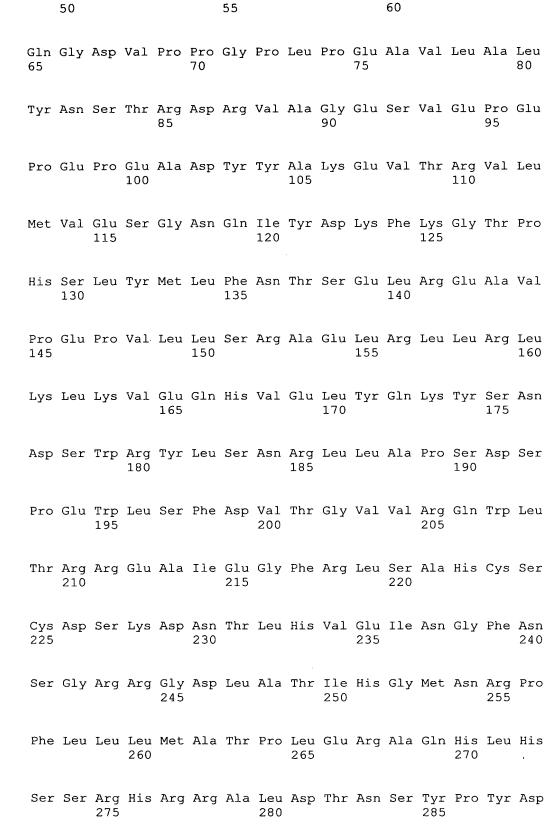


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ggc Gly	acc Thr	ccc Pro	cac His	agc Ser 130	tta Leu	tat Tyr	atg Met	ctg Leu	ttc Phe 135	aac Asn	acg Thr	tcg Ser	gag Glu	ctc Leu 140	cgg Arg	433
gaa Glu	gcg Ala	gtg Val	ccg Pro 145	gaa Glu	cct Pro	gta Val	ttg Leu	ctc Leu 150	tct Ser	cgg Arg	gca Ala	gag Glu	ctg Leu 155	cgc Arg	ctg Leu	481
ctg Leu	agg Arg	ctc Leu 160	Lys	tta Leu	aaa Lys	gtg Val	gag Glu 165	cag Gln	cac His	gtg Val	gag Glu	cta Leu 170	tac Tyr	cag Gln	aaa Lys	529
tac Tyr	agc Ser 175	Asn	gat Asp	tcc Ser	tgg Trp	cgc Arg 180	tac Tyr	ctc Leu	agc Ser	aac Asn	cgg Arg 185	ctg Leu	ctg Leu	gcc Ala	ccc Pro	577
agt Ser 190	gac Asp	tca Ser	ccg Pro	gag Glu	tgg Trp 195	ctg Leu	tcc Ser	ttt Phe	gat Asp	gtc Val 200	acc Thr	gga Gly	gtt Val	gtg Val	cgg Arg 205	625
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cac His	tgt Cys	tcc Ser	tgt Cys 225	Asp	agc Ser	aaa Lys	gat Asp	aac Asn 230	Thr	ctc Leu	cac His	gtg Val	gaa Glu 235	Ile	aac Asn	721
ggg	ttc Phe	aat Asn 240	Ser	ggc Gly	cgc Arg	cgg Arg	ggt Gly 245	' Asp	ctg Leu	gcc Ala	acc Thr	att Ile 250	His	ggc	atg Met	769
Asn	cgg Arc 255	y Pro	) Phe	ctg Leu	Leu	Let	Met	. Ala	Thr	Pro	Leu	Glu	agg Arg	gcc Ala	cag Gln	817
cac His 270	Lei	g cac u His	ago Ser	tcc Ser	cgg Arg 275	, His	c cgc Arg	c cga y Arg	gcc Ala	cto Leu 280	ı Asp	acc Thr	aac Asn	ago Ser	tac Tyr 285	865
cca Pro	tao Tyi	c gad	gto Val	g cca L Pro 290	Asp	tac Tyr	gca Ala	a tct a Ser	ct <u>c</u> Leu 295	ı Ala	c cto a Lev	g gat ı Asp	aco Thr	aac Asr 300	tac Tyr	913
tgo Cys	tto Phe	c ago e Sei	c too c Ser 309	r Thi	g gaq Glu	g aaq ı Lys	g aad s Asr	c tgo n Cys 310	cys:	gto Val	g egg L Arg	g Caq g Glr	g cto n Leu 315	ı Tyı	att Ile	961
gad Asp	c tto p Pho	c cgo e Aro 32	g Ly:	g gad s Asp	c cto Le	g ggo ı Gl	c tgg y Try 325	p Lys	g tgg s Trp	g att	t cat e His	gaa s Glu 330	ı Pro	c aag b Lys	g ggc s Gly	1009
tac Ty:	c car r Hi	t gc	c aa a As:	t tto n Phe	c tg e Cy	c cto s Le	g ggg u Gl	g cco y Pro	c tgi c Cy:	t cc	c tac o Ty:	c ato	c tgo e Tr	g ago o Se:	c cta r Leu	1057

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Ile Arg Gly Gln Ile Leu Ser Lys Leu Arg Leu Ala Ser Pro Pro Ser



Val Pro Asp Tyr Ala Ser Leu Ala Leu Asp Thr Asn Tyr Cys Phe Ser



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Tyr Ser Lys Val Leu Ala Leu Tyr Asn Gln His Asn Pro Gly Ala Ser 355 360 365

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